MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2018/2019

DWD5038 – WEB DESIGN

(DBA Students)

4 MARCH 2019
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 9 pages with 2 sections.
2. **SECTION A**: Answer **ALL** Multiple Choice Questions on the OMR sheet given.
3. **SECTION B**: Answer **ALL** Structured Questions in the Answer Booklet provided.

SECTION A [25 Marks]

Instruction: *Answer ALL questions from this section and shade your answers on the OMR sheet provided.*

1. When a URL starts with the *https* protocol it means that:
   a. Only the Chrome browser can be used to browse the website.
   b. All communications between the browser and the website are secure and encrypted.
   c. It is not advisable to make any online payments.
   d. The website is no longer in use.

2. _____ is the term used to describe the interactive and dynamic web experience and the ability for users to collaborate and share information online.
   a. Router
   b. Port
   c. Firewall
   d. Web 2.0

3. Which of the following IP addresses is used for local hosts?
   a. 0.0.0.0
   b. 123.123.123.123
   c. 127.0.0.1
   d. 255.255.255.255

4. Which of the following is used to create horizontal spacing in a web page?
   a.
   b. Use the spacebar on the keyboard
   c. &space;
   d.

5. Which of the following will display the following paragraph on the browser?
   The temperature is 34°C
   a. `The temperature is 34<sup>o</sup>C`
   b. `<h3>The temperature is 34°C</h3>`
   c. `The temperature is 34<sub>o</sub>C`
   d. `<p>The temperature is 34°C</p>`

6. When creating a list in HTML, the list item is inserted between which of the following tags?
   a. `<li></li>`
   b. `<ul></ul>`
   c. `<ol></ol>`
   d. `<p></p>`

Continued...

7. Which of the following is **TRUE** about HTML?
   a. HTML codes are case sensitive.
   b. HTML documents are saved with a .css extension.
   c. Comments in HTML will not be displayed on the browser.
   d. HTML documents cannot display special characters like © and ™.

8. A table's rows can be merged in HTML using the _____ table property.
   a. `rows`
   b. `rowspan`
   c. `colspan`
   d. `merge`

9. Which of the following is **NOT** a HTML list type values?
   a. `round`
   b. `circle`
   c. `A`
   d. `I`

10. When you want the user to enter only number values in a text box, which input type is used?
    a. textbox
    b. radio
    c. num
    d. number

11. If you are creating a web form and you want the user to choose the education qualifications that they have, which web form element will you use?
    a. checkbox
    b. radio button
    c. textarea
    d. textbox

12. A table title can be displayed at the top of a table by using the _____ tag.
    a. `<label></label>`
    b. `<legend></legend>`
    c. `<caption></caption>`
    d. `<title></title>`

13. Which of the following will happen if the width of a table is not set?
    a. The border of the table will be invisible.
    b. The table border will auto resize to fit the content of the table.
    c. The table width will be set to 100%.
    d. The table will not be displayed because there is an error.

14. Which of the following variable names is **VALID** in JavaScript?
    a. Discount%
    b. EPF Deduction
    c. 2nd_Quater_Profit
    d. Test_2_Result

Continued...

15. Which of the following is **TRUE** about JavaScript?
    a. JavaScript is case sensitive.
    b. JavaScript cannot be saved as an external document.
    c. JavaScript cannot be used together with HTML.
    d. There are no comments in JavaScript.

16. If you want to show a pop up warning message to the user in JavaScript, use the _____ function.
    a. `prompt();`
    b. `popup();`
    c. `message();`
    d. `alert();`

17. JavaScript codes usually will be inserted between the _____ tags.
    a. `<title></title>`
    b. `<h1></h1>`
    c. `<head></head>`
    d. `<p></p>`

18. Which of the following displays "Welcome Home" on the browser in JavaScript?
    a. `message("Welcome Home");`
    b. `document.write("Welcome Home");`
    c. `prompt("Welcome Home");`
    d. `display("Welcome Home");`

19. In JavaScript, the `toFixed()` method is used to:
    a. Convert a string into a number.
    b. Convert a number into a string.
    c. Format a number with a specific number of digits to the right of the decimal.
    d. Round a number to 2 decimal places.

20. In CSS, to place a text in the middle of a webpage, the _____ property is used.
    a. `text-align`
    b. `font-align`
    c. `text-center`
    d. `center-font`

21. To link to an external CSS document, which of the following codes is used?
    a. `<input type="css" src="main.css" />`
    b. `<link src="main.css" />`
    c. `<external type="css" href="main.css" />`
    d. `<link href="main.css" rel="stylesheet" type="text/css" />`

22. Which of the following is **TRUE** about CSS?
    a. CSS is used to insert data and information into a web page.
    b. CSS comments can be written between the /* and */ symbols.
    c. CSS is case sensitive.
    d. There are only 2 methods in which CSS codes can be applied to web pages.

Continued...

23. In CSS, to fix the background image of a web page so that it will not scroll together with the text, the property _____ is used.
    a. `fix-image`
    b. `background-fix`
    c. `background-attachment`
    d. `background-no-scroll`

24. In CSS, an **id** selector is a name preceded by a _____ symbol.
    a. #
    b. .
    c. *
    d. &

25. Internal CSS codes are inserted within the _____ tags.
    a. `<script></script>`
    b. `<style></style>`
    c. `<link></link>`
    d. `<internal></internal>`

SECTION B [75 Marks]

Instruction: *Answer **ALL** questions from this section in the Answer Booklet provided.*

QUESTION 1

a. Write the HTML codes to generate the following list. (9 marks)

Sample Output

- Horror
  iii. The Nun
  ii. Slender Man
  i. Halloween
- Comedy
- Thriller
  i. Searching
  j. The Commuter
  k. Mission: Impossible - Fallout
- Documentary

Continued...

b. Write the codes for the HTML form shown in the sample output based on the guidelines given. (10 marks)

- The first line is a paragraph.
- The Name has a hint in it.
- The Locker Pin creates dots when the user keys in the data.
- For the ID Card Picture, only file with *.png* extension will be accepted.
- For the Remarks, 4 rows must be visible and the width can fit 45 characters.

Sample Output

Come and JOIN NOW!. There will be a special promotion on the 18th of this month

Name : Type your name here

Locker Pin : •••••••

Membership Duration: ○ 1 month ◉ 6 month ○ 1 year

ID Card Picture : Choose File No file chosen

Start Date : dd-mm-yyyy

Remarks :

Register Now Cancel

c. i. Write the HTML codes to create a hyperlink for the text *Click Here* that opens the website *http:///www.onlinelearning.com.my/* in a new tab or browser. (3 marks)

ii. Write the HTML codes to generate the graph shown below. It shows the attendance rate of a class. The minimum attendance is 0% and the maximum is 100%. Current attendance is 55%. Make sure to display a value incase the browser is not able to display the graph. (3 marks)

Sample Output

Class Attendance :

(Total: 25 marks)

Continued...

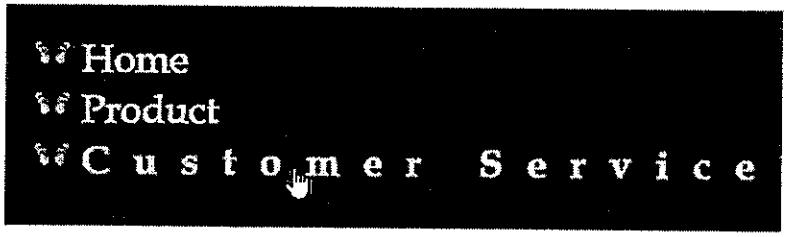
QUESTION 2

a. Use **Internal CSS** to write the styles to generate the output shown below. Use the guidelines as your reference. (10 marks)

Guidelines

- Webpage : The background colour is Grey.
- The list : The bullets uses an image named as *butterfly.png*. The font face is Book Antiqua.
- The hyperlinks : The text colour is White. The text has no underline. When the cursor goes over the hyperlinks, the text colour changes to Yellow and there will be a 10px spacing between the letters.

Sample Output



b. Use **Inline CSS** to write the style for the heading and paragraph shown below. Use the guidelines as your reference. (5 marks)

Guidelines

- The heading level 1: Must be underlined and the text is in capital letters.
- The paragraph : The size of the font is 1.2em and the text is italic.

Sample Output

THIS IS A TITLE

This is an italic paragraph.

c. Use **External CSS** to write the styles to generate the output shown below. Use the guidelines as your reference. (10 marks)

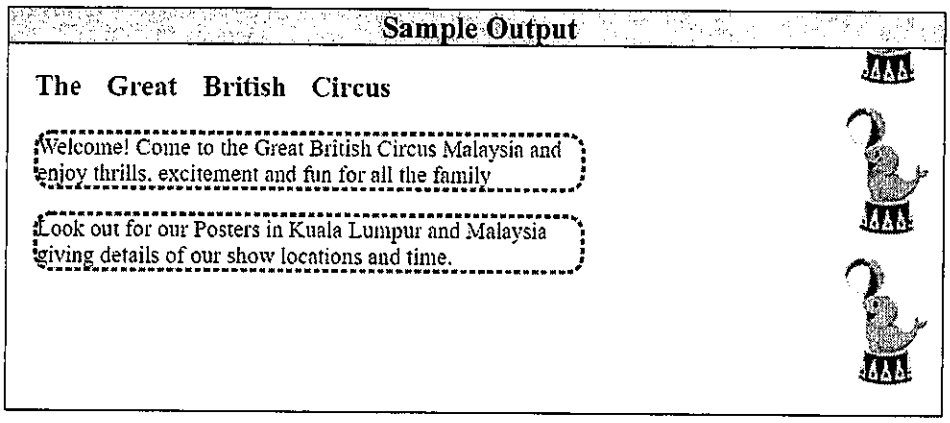
Guidelines

- Webpage : The background image is *circus.png* which is repeated vertically on the right side of the webpage. Set a margin of 200px on the right side of the webpage so that the content does not overlap the image.
- The paragraph that uses the *title* **class** : the text is bold and there is a 10px space between each word.

Continued...

- The paragraph that uses the *description* **class** : The text size is 0.8em. There is a 2px thick red border with a dashed design. The corners are curved by 10px.

Sample Output


The Great British Circus
Welcome! Come to the Great British Circus Malaysia and enjoy thrills, excitement and fun for all the family
Look out for our Posters in Kuala Lumpur and Malaysia giving details of our show locations and time.

(Total: 25 marks)

Continued...

QUESTION 3

a. Write the JavaScript codes based on the table shown below. Use **if..else** statement for this question. (8 marks)

User's choice	Action
A	Display a message with the text "*The weather is cloudy today.*" using an **alert()**.
B	Ask the user to enter a number using a **prompt()** box.
C	Display the text "*The End.*" on the browser.
Other values	Assign "yes" to variable named *invalid*.

b. Write the JavaScript codes based on the descriptions given below. (17 marks)

Description

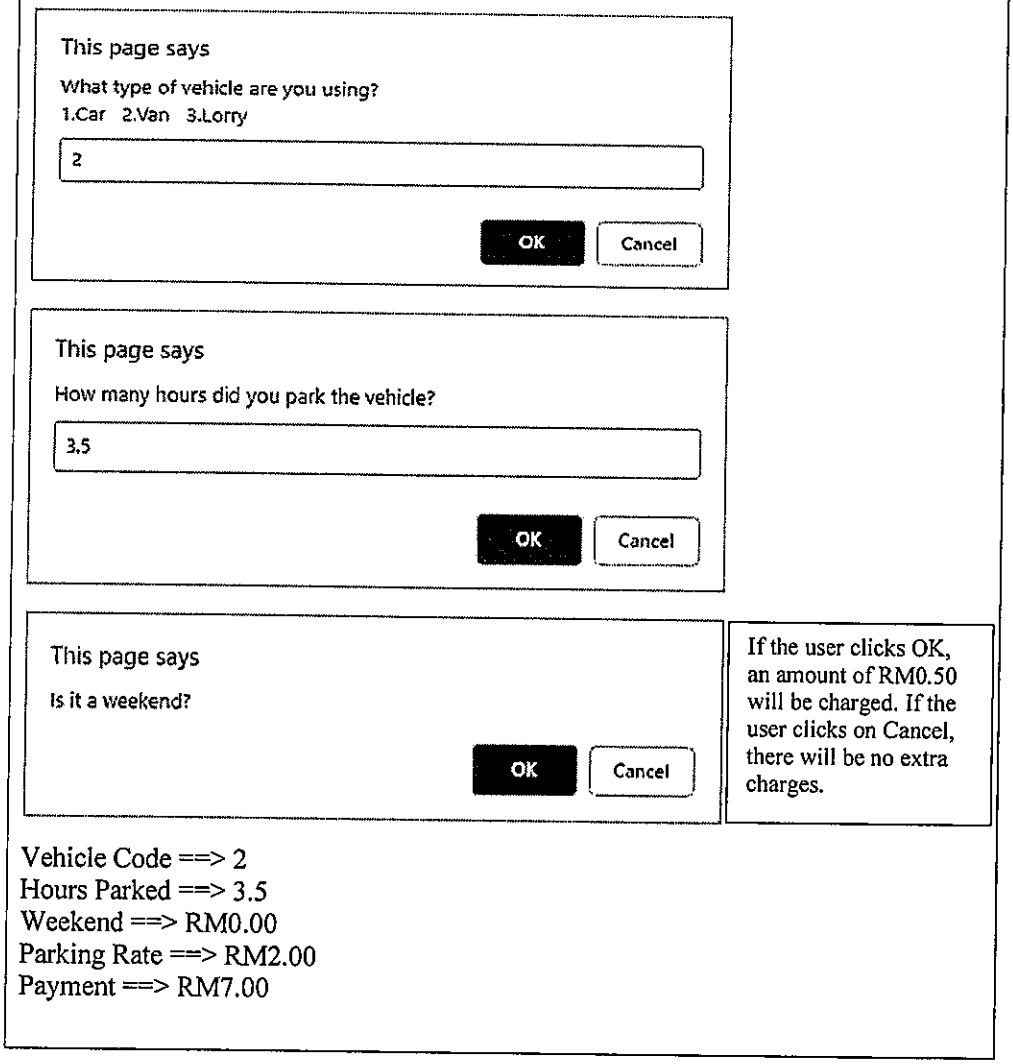
- Declare all the variables used in the program.
- Ask the user to enter the type of vehicle using a **prompt()** box. Save the data in variable named *vehicle_code*.
- Ask the user to enter the amount of hours that the vehicle was parked using a **prompt()** box. Store the data in variable named *hours*.
- Ask the user to confirm whether the vehicle was parked on a weekend using a **confirm()** box. Store the data in variable named *weekend*.
- Use **if..else** statement to identify the parking rate based on the vehicle code. Store the rate in variable named *park_rate*.

Vehicle Code	Parking Rate Per Hour
1	RM 1.00
2	RM 2.00
3	RM 3.00
Other values	RM 0.00

- If the vehicle was parked on a weekend, there will be an extra charge of RM0.50 added to the overall parking payment.
- Write the formula to calculate the amount to be paid by the vehicle owner. Store this value in variable named *parking_payment*.
- Display the vehicle code, hours parked, type of day, parking rate and parking payment on the browser.
- Display the results as shown on the next page.

Continued...

Sample Output



Vehicle Code ==> 2
Hours Parked ==> 3.5
Weekend ==> RM0.00
Parking Rate ==> RM2.00
Payment ==> RM7.00

(Total: 25 marks)

End of Page.